students of the Chemistry Department of Delhi University are compelled to obtain the computer facility outside;

(b) if so, what are the reasons therefor;

(c) what is the number of research students and teachers annually using the computer facility in the said Department; and

(d) what is the number of research publications which have been made since then?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M. G. K. MENON): (a) to (c) According to the information furnished by the University of Delhi the Chemistry Department of the University has been provided with a micro computer (HP 9050, capacity one million instructions per second) by the University Grants Commission. 45 students, research scholars and teachers of the Department are utilising this computer. However, as the computer has limited capabilities, the Department itself permits students and teachers to use the central computer facilities of the University located at the Delhi School of Economics.

(d) The Department of Chemistry has published more than 200 research papers in different areas of Chemistry since the setting up of computer facility in the Department in November, 1986.

Inoperational of INSAT-IB and launching of INSAT-2 series

1762. SHRI KAMAL MORARKA: Will the PRIME MINISTER be pleased to refer to answer to Unstarred Question 103 given in the Rajya Sabha on 14th March, 1990 and state:

(a) by when INSAT-1B is likely to go out of operation;

(b) whether INSAT-2 series is being planned as a more powerful series, which would enable multifold expansion of the existing network; and

(c) if so, what are the salient features thereof?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCES DEVELOPMENT (PROF. M.G.K. MENON): (a) It is expected that INSAT-1B will continue to be in operation till October, 1990 but with increased orbital inclination.

(b) Yes, Sir.

(c) INSAT-2 Series is planned as a system with three spacecraft in orbit compared to the two spacecraft configuration of INSAT-1. Further each INSAT-2 satellite would provide 50 percent more capacity than INSAT-1 thus effectively more than doubling the total system capacity. INSAT-2 will utilise the extended C-band for the first time in addition to the normal C-band and S-band. The Meteorological Imaging Instrument (VHRR) on INSAT-2 will have a higher resolution than that of INSAT-1. INSAT-2 spacecraft will also carry a new Search and Rescue package that will provide alert information regarding ships, aircrafts and other vehicles in distress and equipped with appropriate beacons.

Computer facility in the Chemistry Department of Delhi University

1763. SHRI ANAND PRAKASH GAUTAM: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that a computer has been installed in the Chemistry Department of Delhi University under C.O.S.I.S.T. programme;

(b) if so, when was it installed;

(c) what amount was spent on its installation and the cost of annual maintenance thereof; and

(d) what was the specific purpose of its ins tallation and to what extent the purpose has been achieved so far?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M.G.K. MENON): (a) Yes, Sir.

(b) The computer was installed on 28-11-1986;

(c) The cost of installation of the Computer was Rs. 6,63, 983|- and its annual maintenance cost is Rs. 93,000|-.

(d) The Computer was provided for strengthening on-going research and for teaching programmes of the Chemistry Department. Computer usage has been incorporated in the M.Sc. and M. Phil courses of the Department and students are being trained in this field. The Computer is also being utilise for the research activities of the Department, particularly in Theoretical and Physical |Chemistry.

Location of colour picture tube plant at Kondapalli in Vijayawada

1764. DR. YELAMANCHILI SIVAJI: Will the PRIME MINISTER be pleased to state:

(a) whether there is any proposal to locate a colour picture tube plant at Kondapalli near Vijayawada; if so, what is the present stage of this proposal; and

(b) since how long this proposal is pending with the Union Government?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M.G.K. MENON): (a) A composite proposal for expansion of capacity and foreign collaboration was received from Andhra Pradesh Electronics Development Corporation (APEDC) for manufacture of colour picture tubes. The exact location of the project was not indicated in the application.

(b) The proposal was not accepted by the Government of India vide their letter dated 14-10-88. M|s. APEDC represented against the decision vide their letter dated 9-12-88. Meanwhile, the collaborator of M|s. APEDC namely M|s. Philips. Holland have withdrawn their offer of collaboration with M|s. APEDC and have terminated all its past arrangements with APEDC for technology transfer for manufacture of colour picture tubes.

Yoga teachers in Kendriya Vidyalayas

1765. SHRI MOHD. KHALEELUR RAHMAN: Will the PRIME MINISTER be pleased to state:

(a) what are the details of pay scales, academic and professional qualifications of Yoga Teachers employed in Kendriya Vidyalayas;

(b) whether it is a fact that the services of Yoga teachers have not been rendered permanent even after a decade; and

(c) if so, what are the reasons therefor and the details of promotional avenues available to them?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M.G.K. MENON): (a) to (c) Teaching of Yoga was started on an experimental basis in Kendriya Vidyalayas in the Academic year 1981-82 and has been continuing on year to year basis since then. At the time of introduction of Yoga education, the following qualification and Scales of pay were laid down:—

Qualification: Matric|Higher Secondary with practical knowledge and experience of yoga teaching.